



Title: Autonomous Robot Auto-Docking and Energy  
Management Systems and Methods  
Inventors: Cohen et al.  
Serial No. 10/762,219  
Atty Docket No. IRO-003  
Sheet 1 of 12

1/12

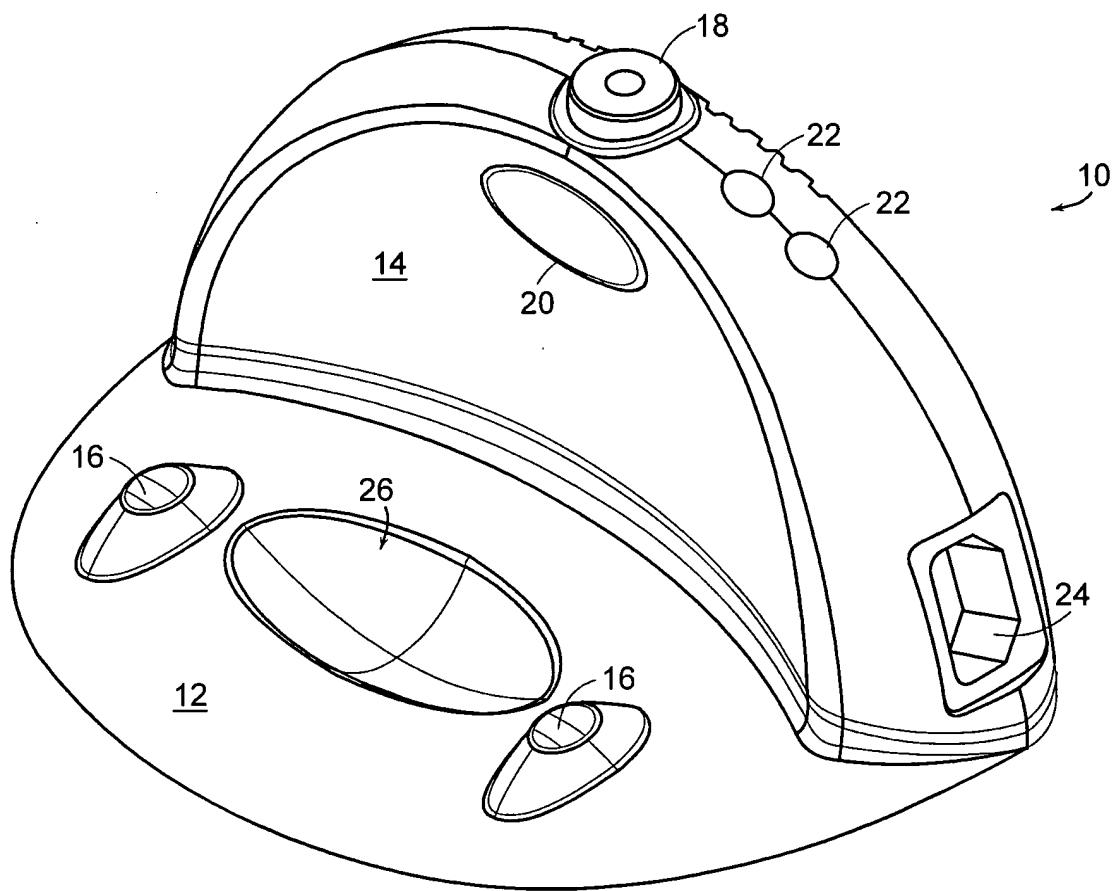


FIG. 1

2/12

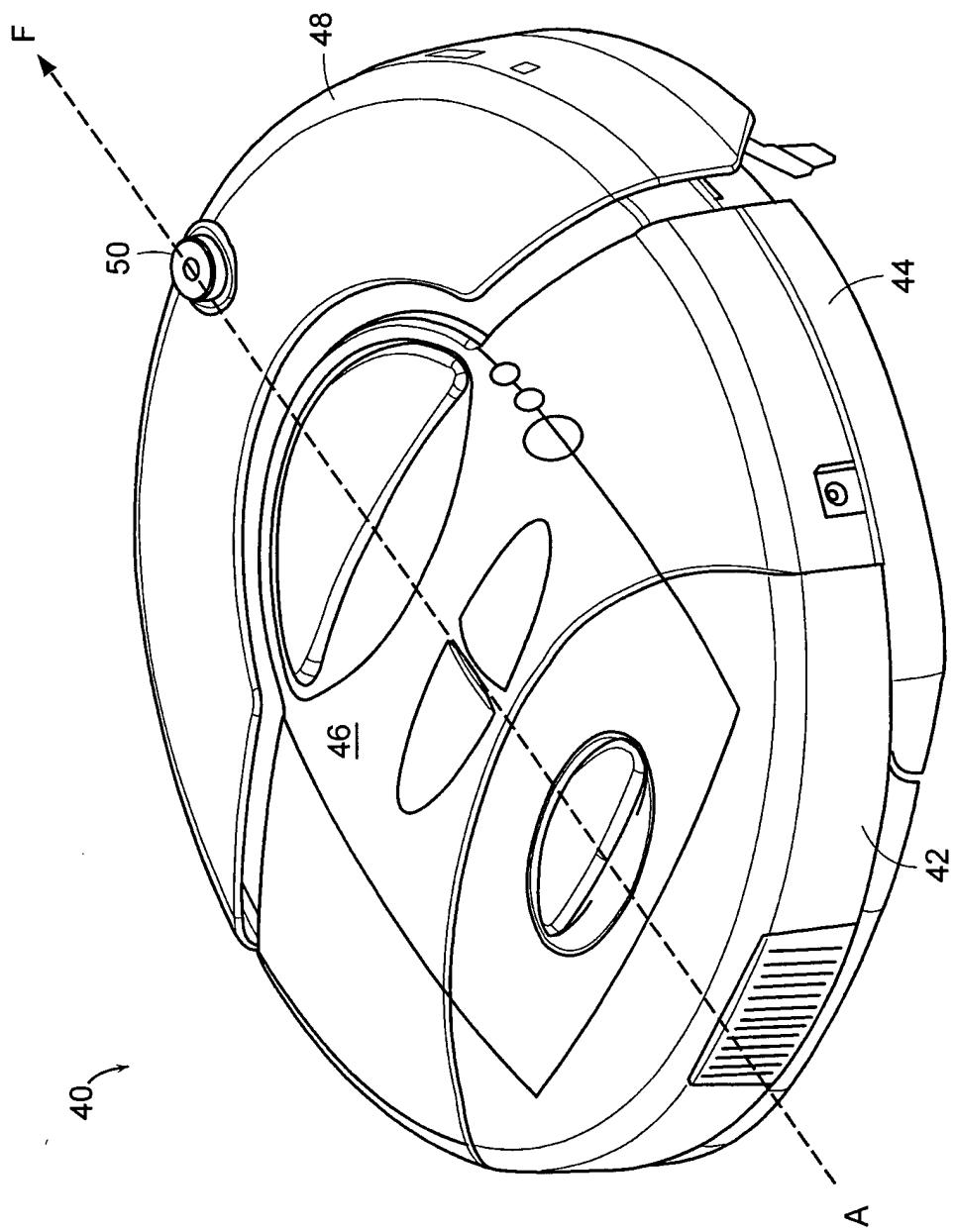


FIG. 2A

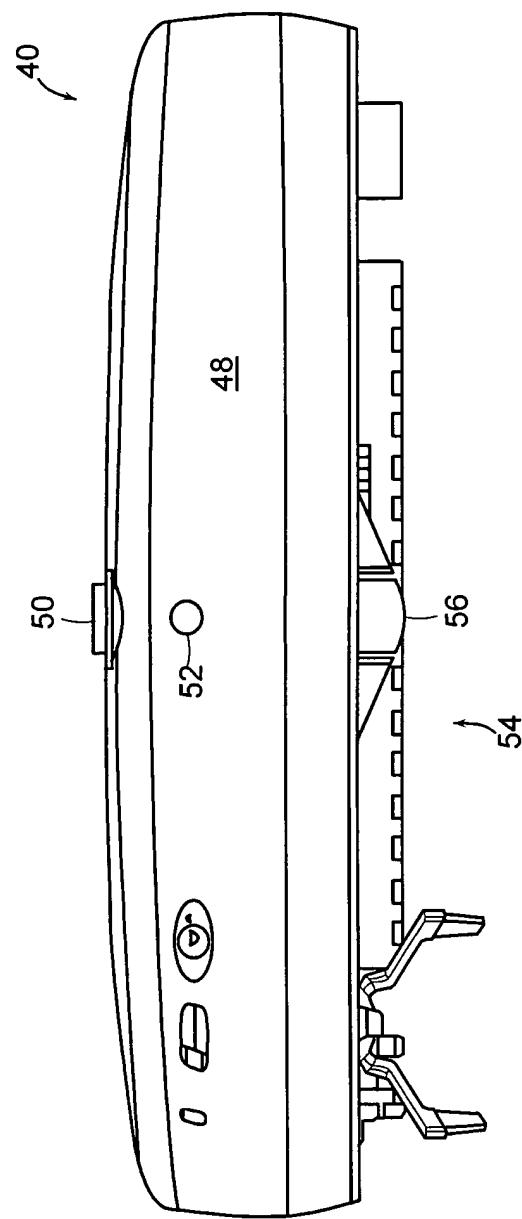
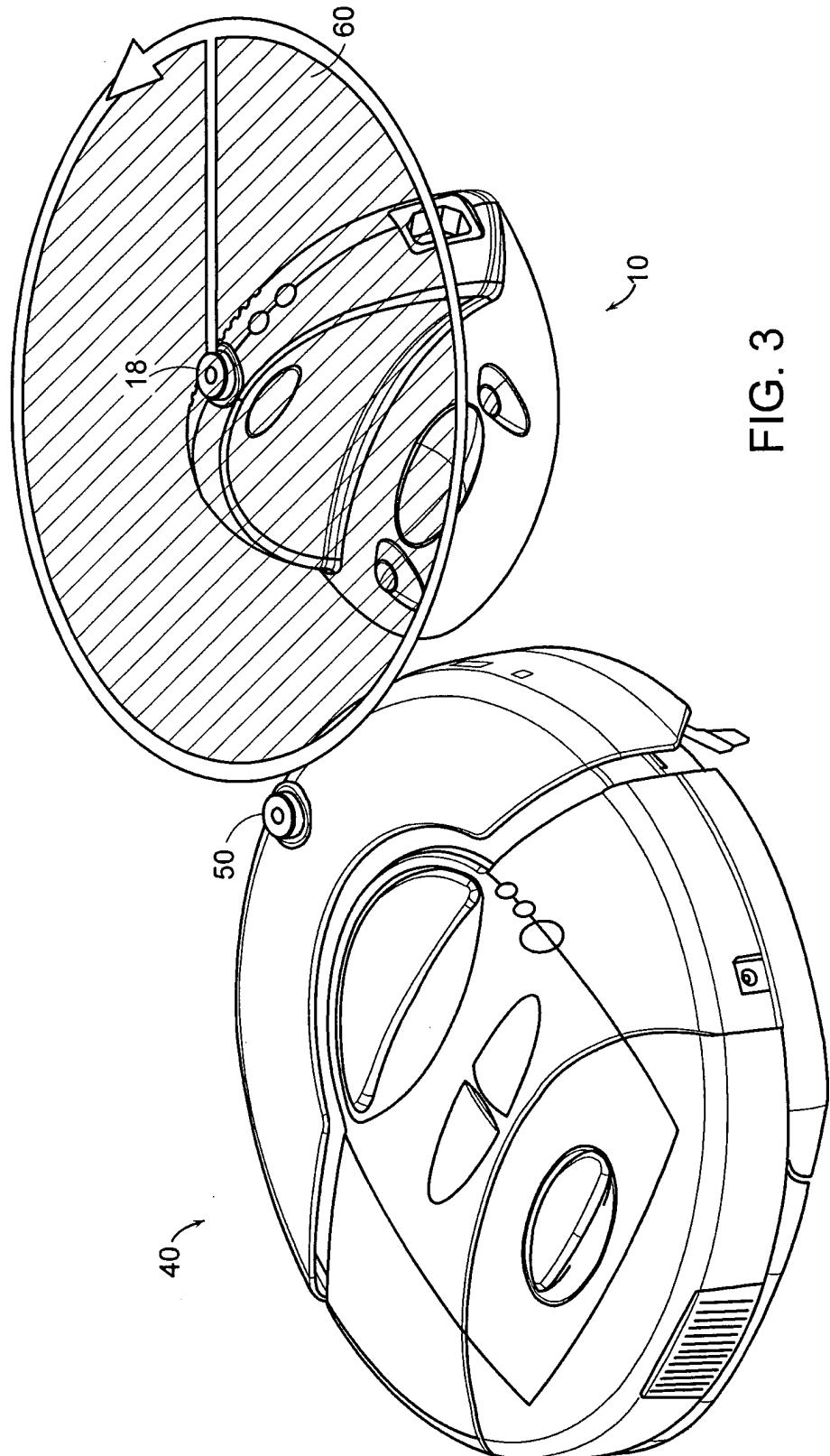


FIG. 2B

4/12



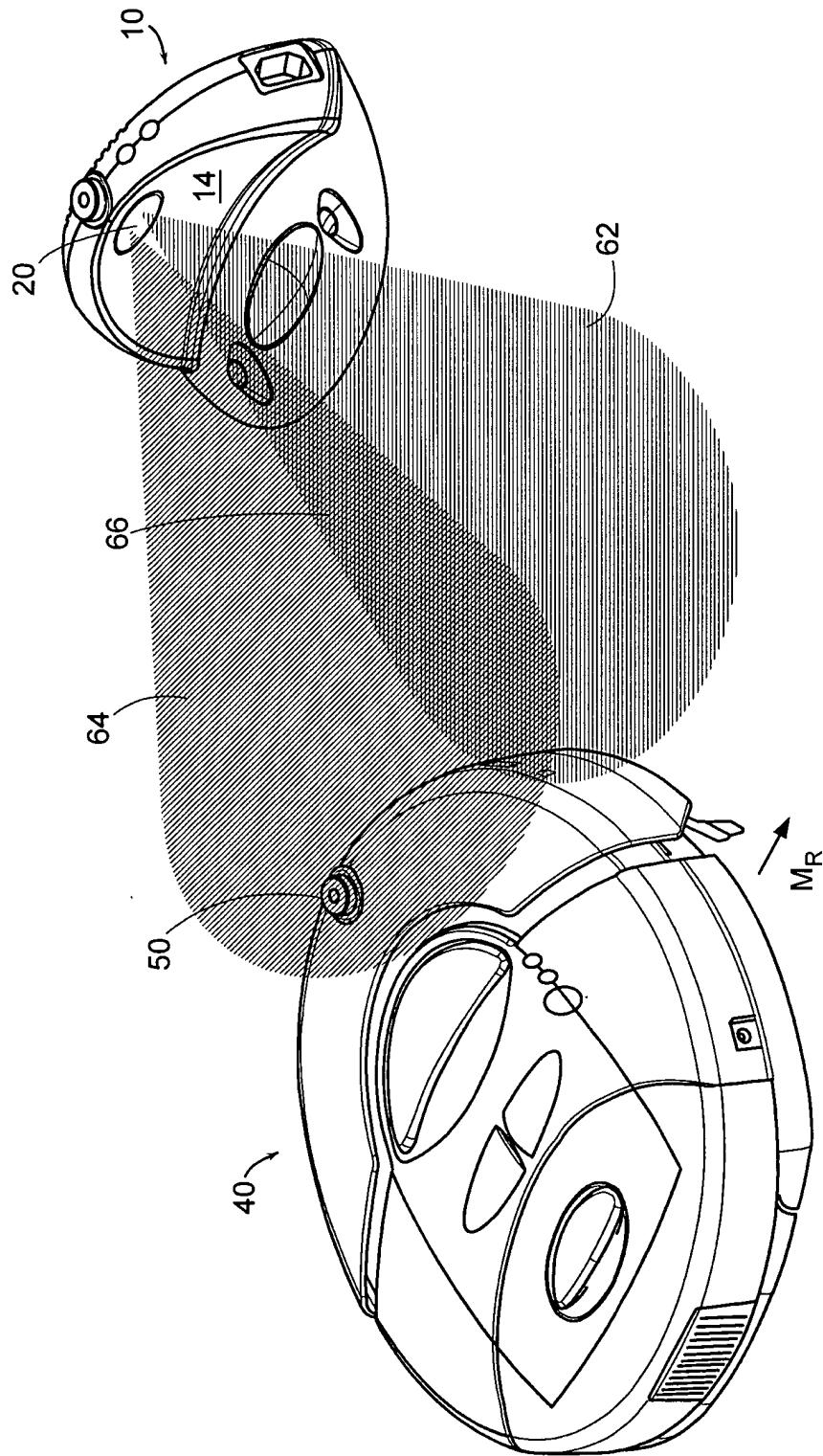


FIG. 4A

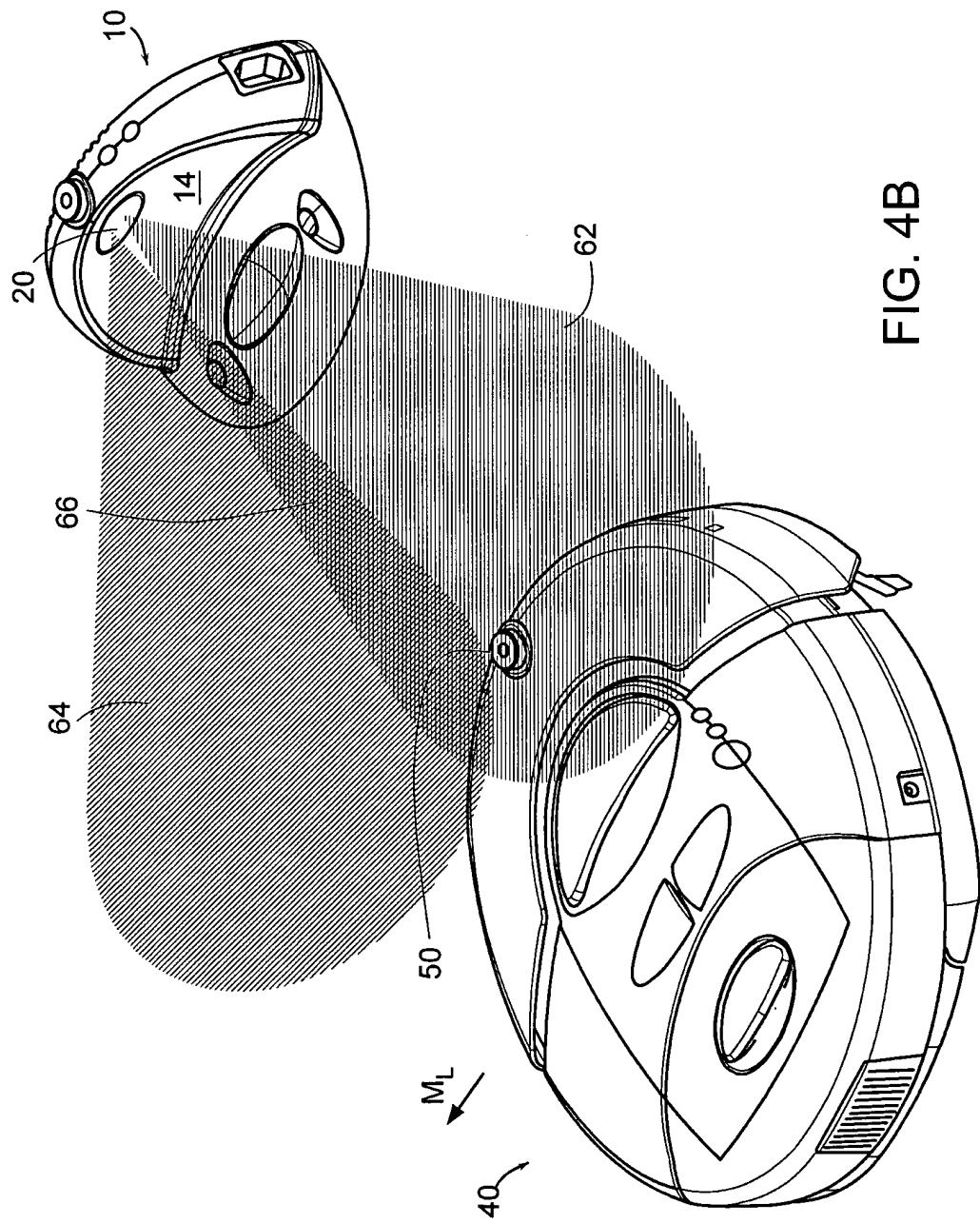


FIG. 4B

7/12

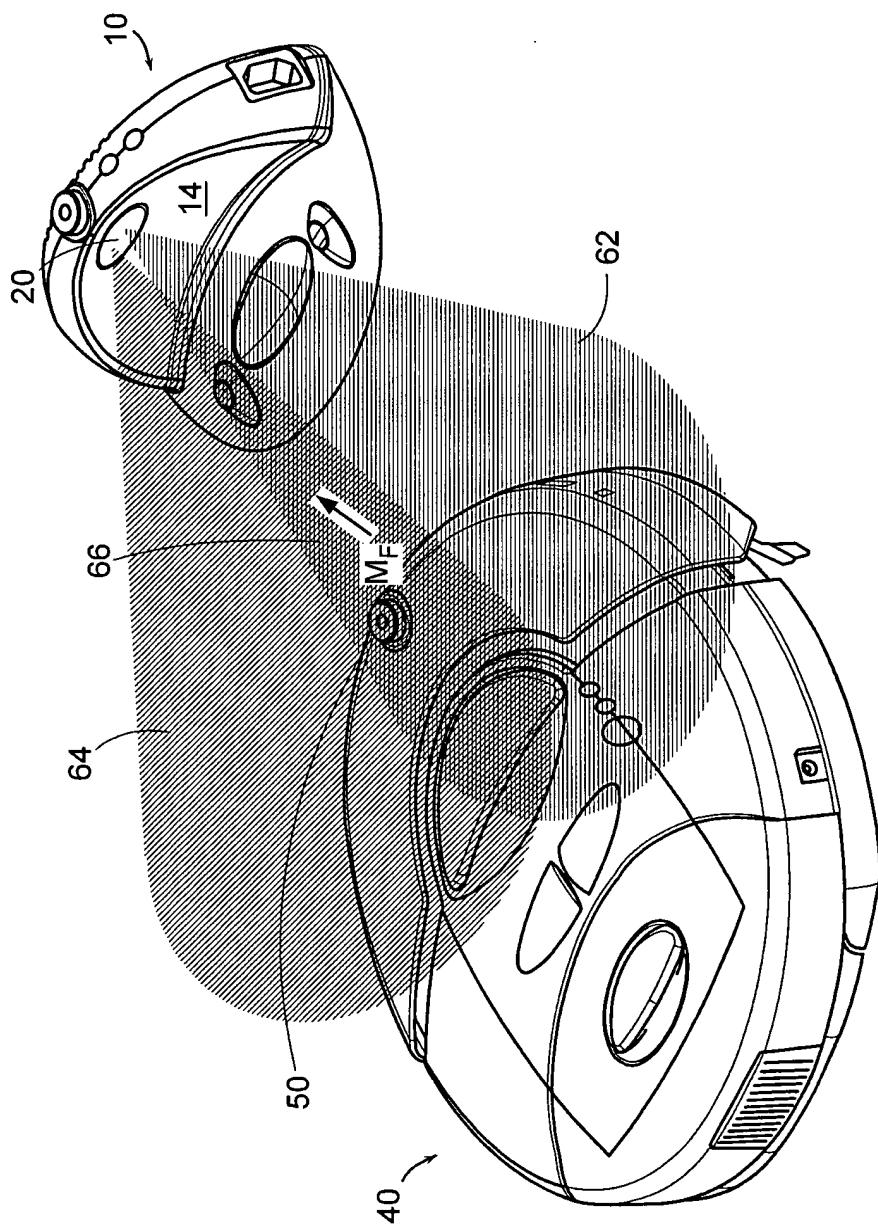


FIG. 4C

8/12

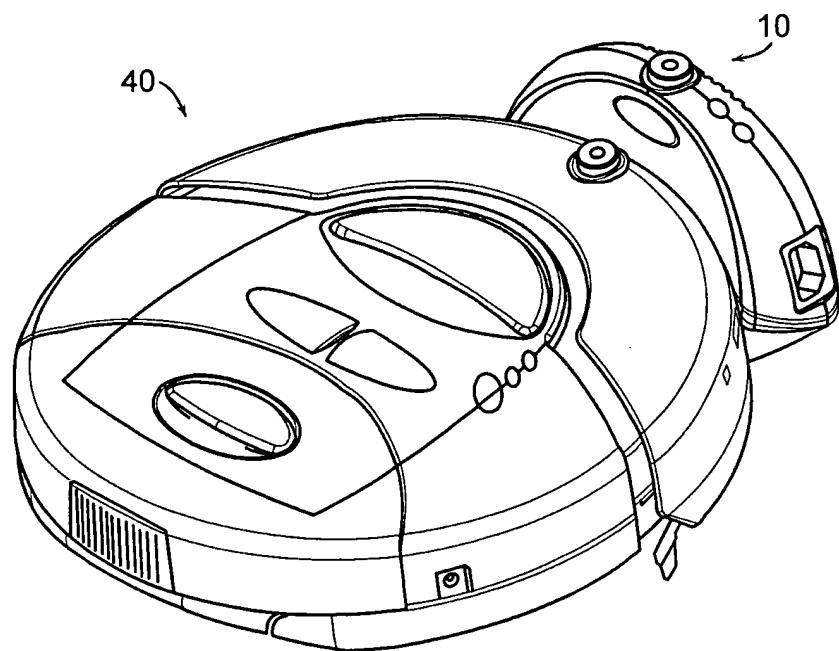


FIG. 5

9/12

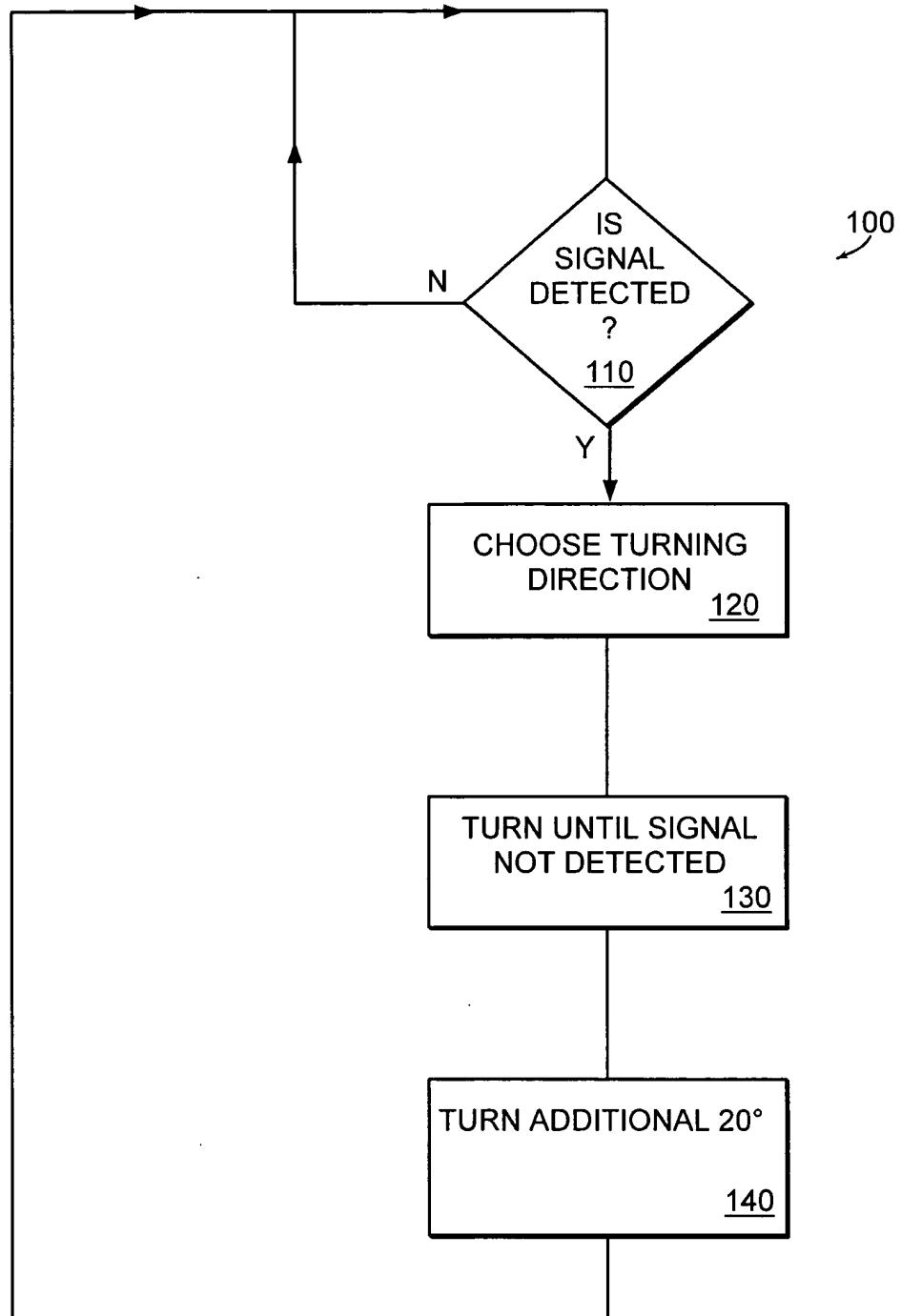


FIG. 6A

10/12

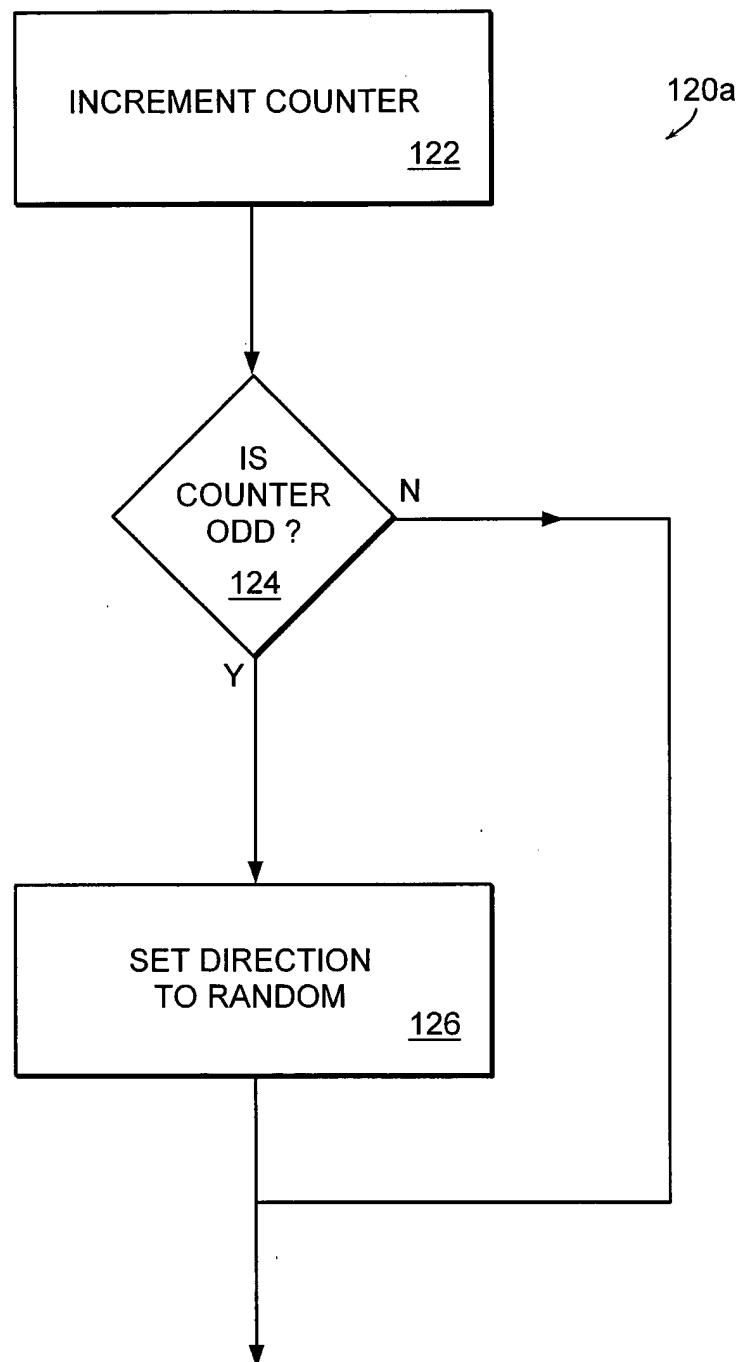


FIG. 6B

11/12

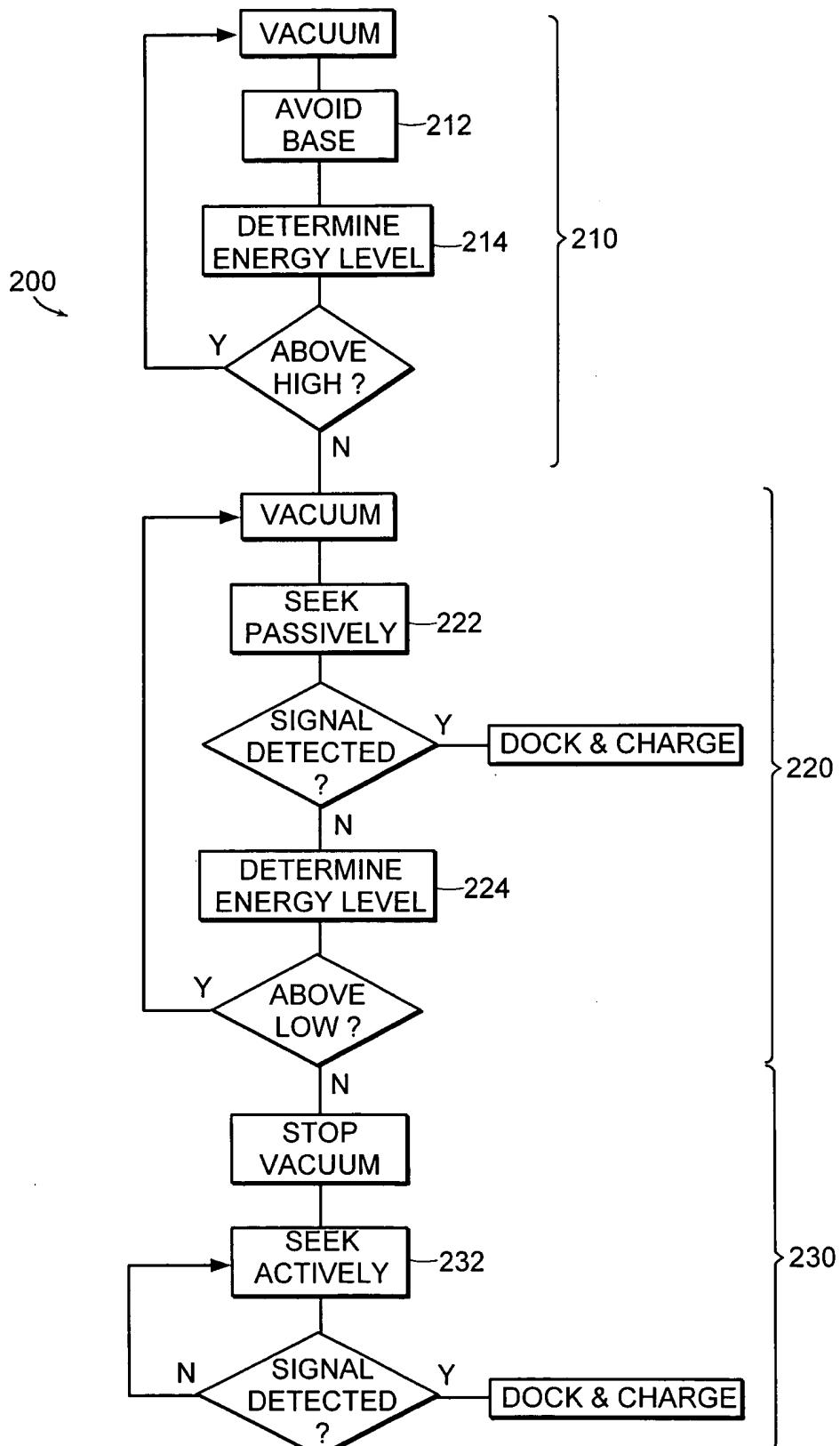


FIG. 7

12/12

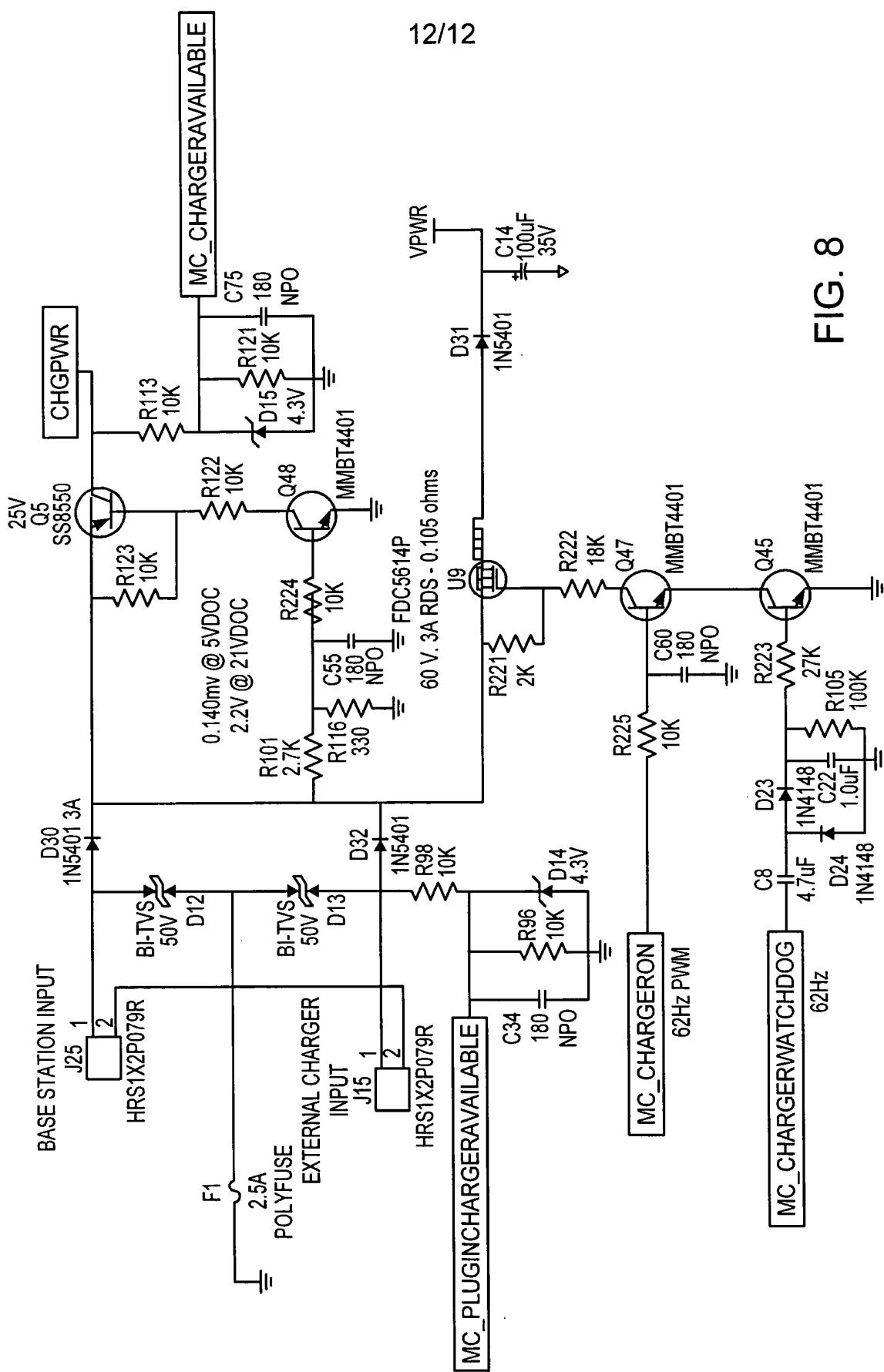


FIG. 8